



CDF Operations Summary

Steve Hahn
May 4, 2006

March 2006 Shutdown Week 10

“Pickin’ up the pieces”



CDF Operations Summary

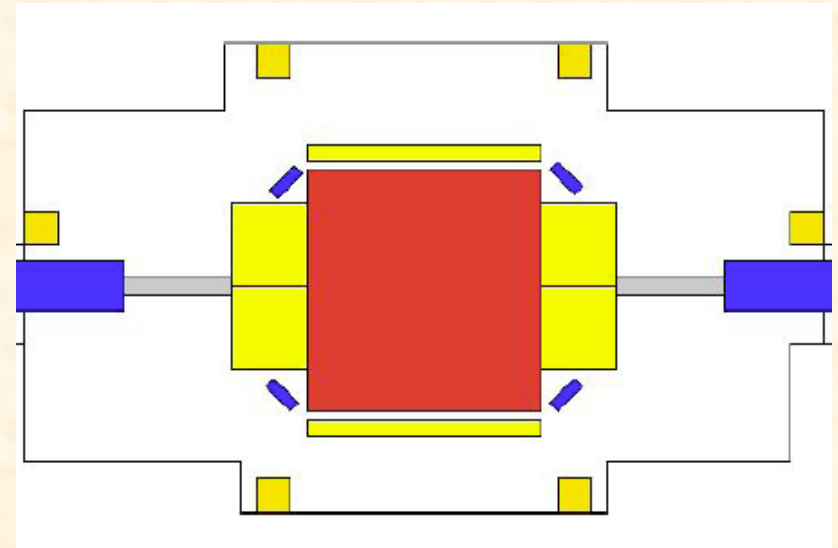
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☛ Detector Status:

- Slowly bringing back systems
 - ➔ Trying to reestablish regular calibrations for all systems (that make sense)
- Working on L2 issues and silicon rate tests
- Hardware EVB/Level 3
 - ➔ Markus Klute stepping down as head; new head Conor Henderson

☛ Infrastructure problems this week

- Wet and dry engine rebuilds earlier this week required some emergency shift work to keep solenoid from warming up too far
- UPS backup system for eastmost racks in 1st floor bypassed to discharge batteries in preparation for swapping in new ones
 - ➔ Last night, one battery exploded
 - ➔ ES&H satisfied with our response, being cleaned up
 - ➔ Thanks to Sebastian Grinstein and Shulamit Moed for being in the building and responding (called in fire department)





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☛ Next week

- Restore west low beta quads on Monday (due to Invar rod/quad cradle incident)
 - ➔ Done with surveying today on east; already done west
 - ➔ Found ~1 mr bend between Q2 and Q3 (near west alcove wall) such that far end of Q4 11 m toward IP is ~12 mm south, then beam pipe bends back into detector
 - ➔ Worry that epoxy fix of insulator vacuum between Q2 and Q3 may be damaged; if vacuum is bad, quads will have to be warmed up to room temperature for repairs
- Repair plug source drives (Virgil Barnes)
 - ➔ Fix drives with bad towers — 12E 17E
 - ➔ Replace motors and worm drives (?)
 - ➔ Replace wires with non-magnetic wires (?)

☛ Over remaining weeks

- Plug source runs
- WHA source runs—set gains of 3 new PMTs
- Test COT, solenoid, and recirculation system with cosmics run and magnetic field on



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- Accelerator Schedule (All Experimenters' Meeting this week):
 - May 8, Monday — zebra mussel kill starts (not ring ponds)
 - May 11, Thursday — TeV safety tests, probably have to return all keys
 - May 15, Monday — CHL cold, start TeV purification
 - May 22, Monday — Startup booster/MI/ pbar
 - May 25, Thursday — TeV cold and powered, controlled access
 - June 4, Sunday (June 2? June 5?) — D0 done, TeV beam startup
 - June 17, Saturday (June 16? June 19?) — first collisions



Important Dates

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Date	
2/27	Shutdown begins
2/27	Open Collision Hall, begin detector work
2/27 - 6/1	No Owl shifts (Cryo: 3/6 - 5/22): HV off at night!
3/1 - 4/6	No Hardware Event Builder
3/7	Open all steel, full detector access
3/15 - 3/26	Hilman roller replacement (NW IMU steel)
3/13	Chambers off flammable gas
3/18	8 hour power outage to B0 and trailers
4/4 - 4/20	Solenoid bore access
4/3	1/2 hour site wide power outage
4/24	1/2 hour site wide power outage
?	Hillman roller replacement (SW IMU steel)
5/11	Start restricted access to collision hall
5/22	Flammable gas resumes (new COT recirculation system)
5/25	Tevatron Cold